Figure 1

.00

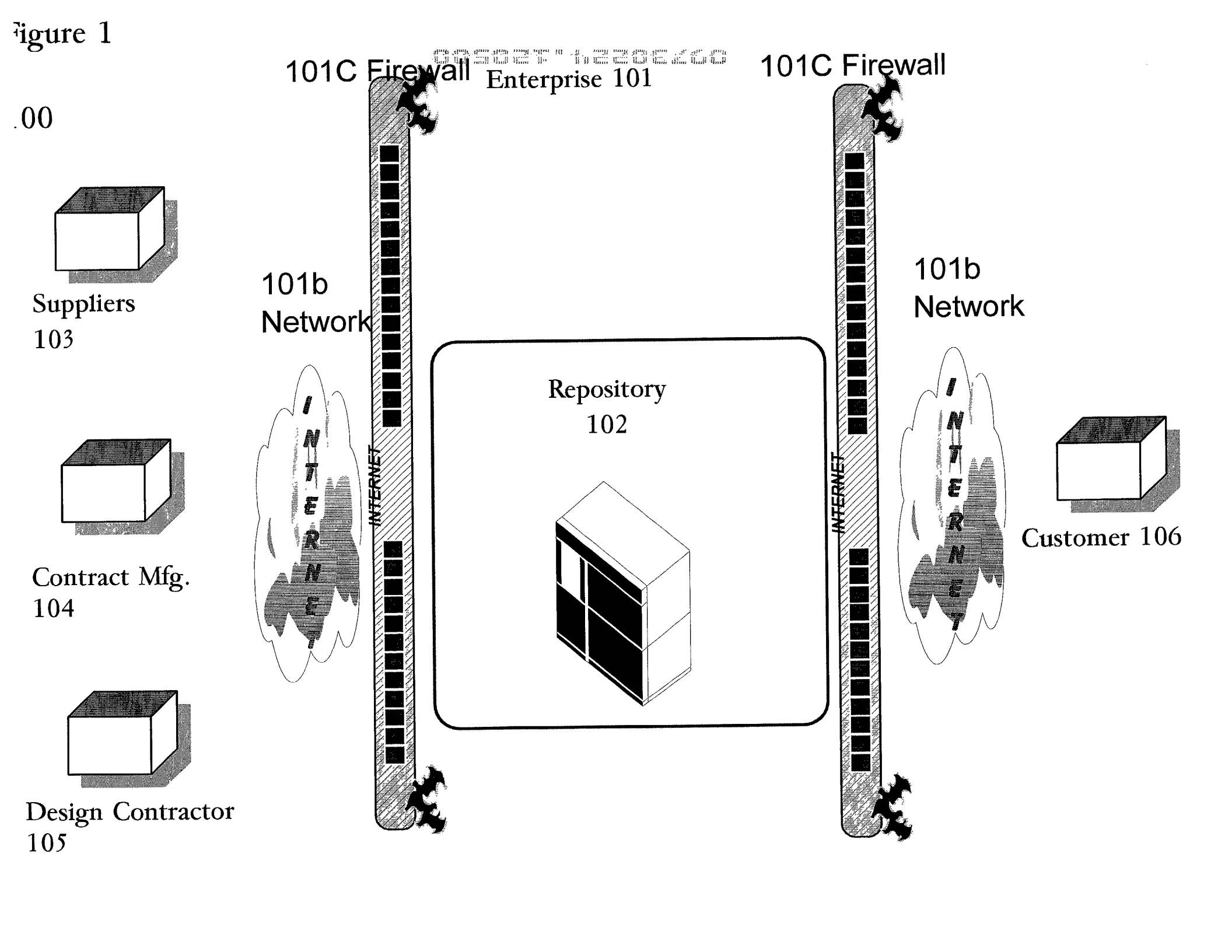

101C Firewall
Enterprise 101
101C Firewall
101b Network
101b Network
Suppliers 103
Contract Mfg. 104
Design Contractor 105
Repository 102
INTERNET
INTERNET
INTERNET
Customer 106

Figure 2

200

Data Records 201

202 Confidentiality	203 Release Status	206 Owning Location	207 Part Number	208 EC Number	209 Data Type	210 Data Form	.....
1	RD	Austin	84X4773				

Access Profile 212

213 Supplier Name	214 Supplier Number	215 Location	216 E-Mail	217 Format Preferences	218 Access Control Data
ACME Corp	824000134	Akron, OH	data@acme.com		

219

userid 235

password 236

220

2D CAD 221 - PDF, HPGL, WordPro 222

3D CAD 223 3D DXF, 3D IGES 224

225

Conf., Rel, RRdy, Austin

Conf., Rel., Poughkeepsie

NonConf., Rel, RRdy,Pre, An

Figure 3

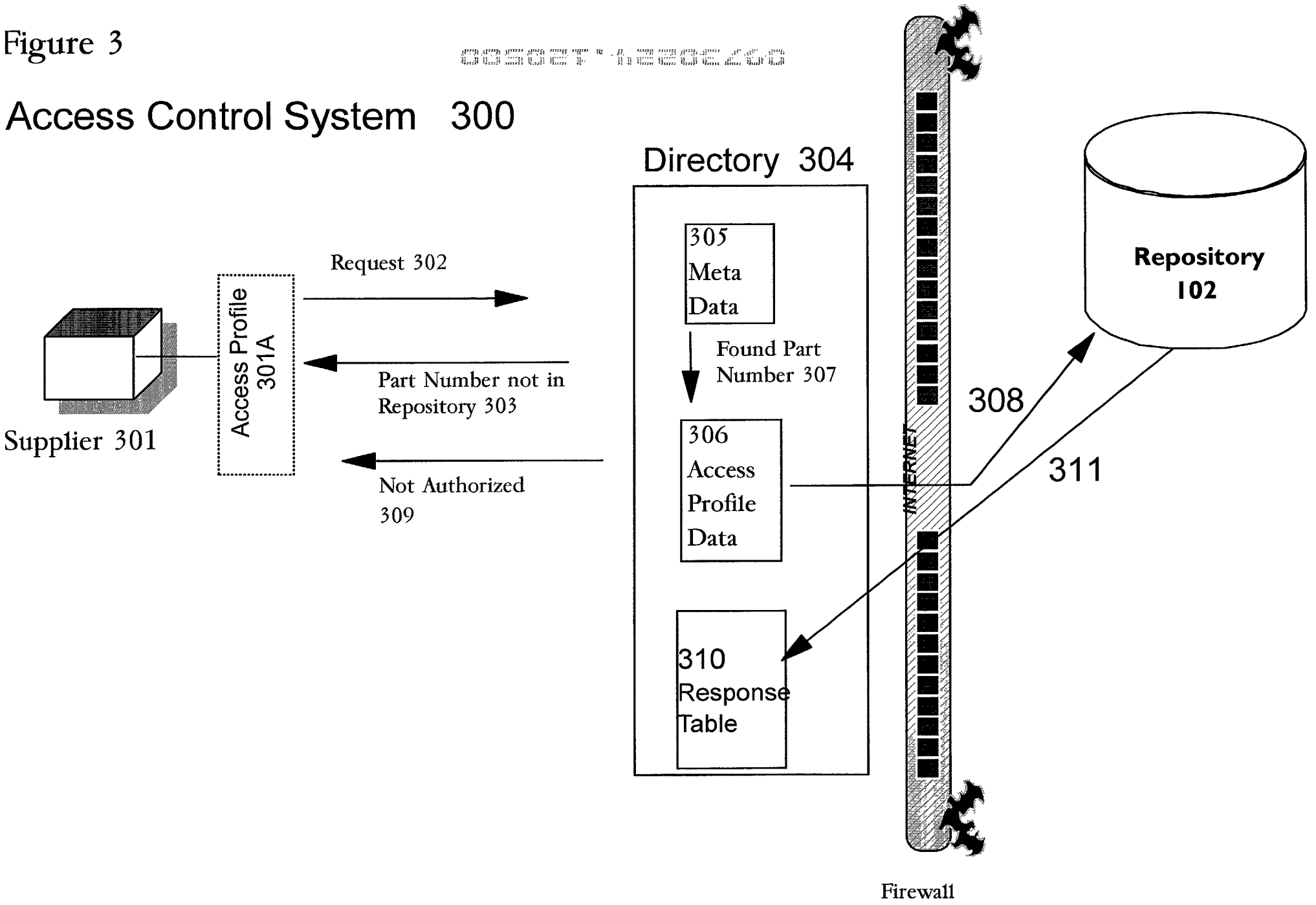

Access Control System 300
Directory 304
305
Meta
Data
Found Part
Number 307
306
Access
Profile
Data
310
Response
Table
Request 302
Part Number not in
Repository 303
Not Authorized
309
Access Profile
301A
Supplier 301
INTERNET
Repository
102
308
311
Firewall

Figure 4

equest Transmission via Access Control System 400

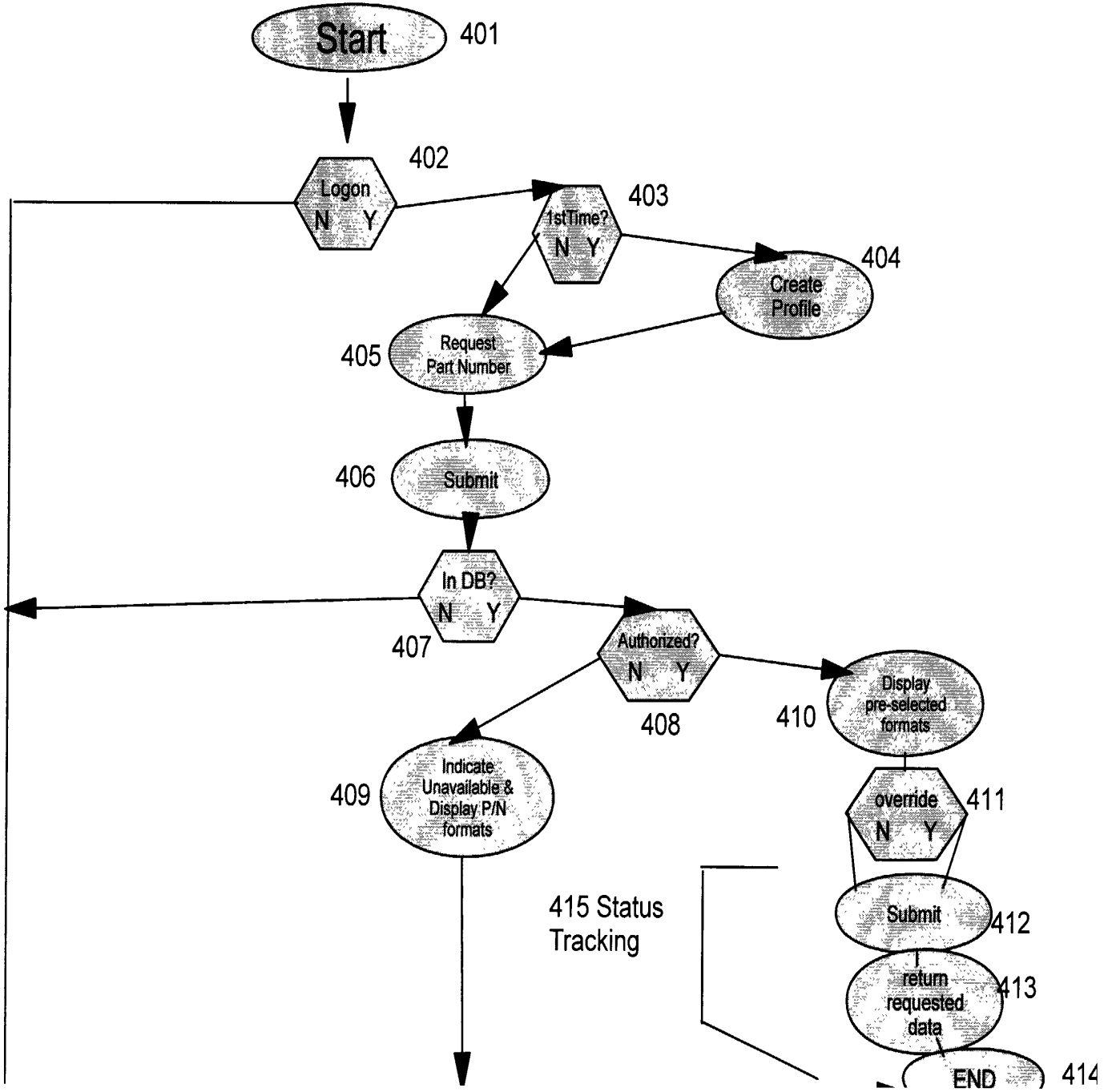
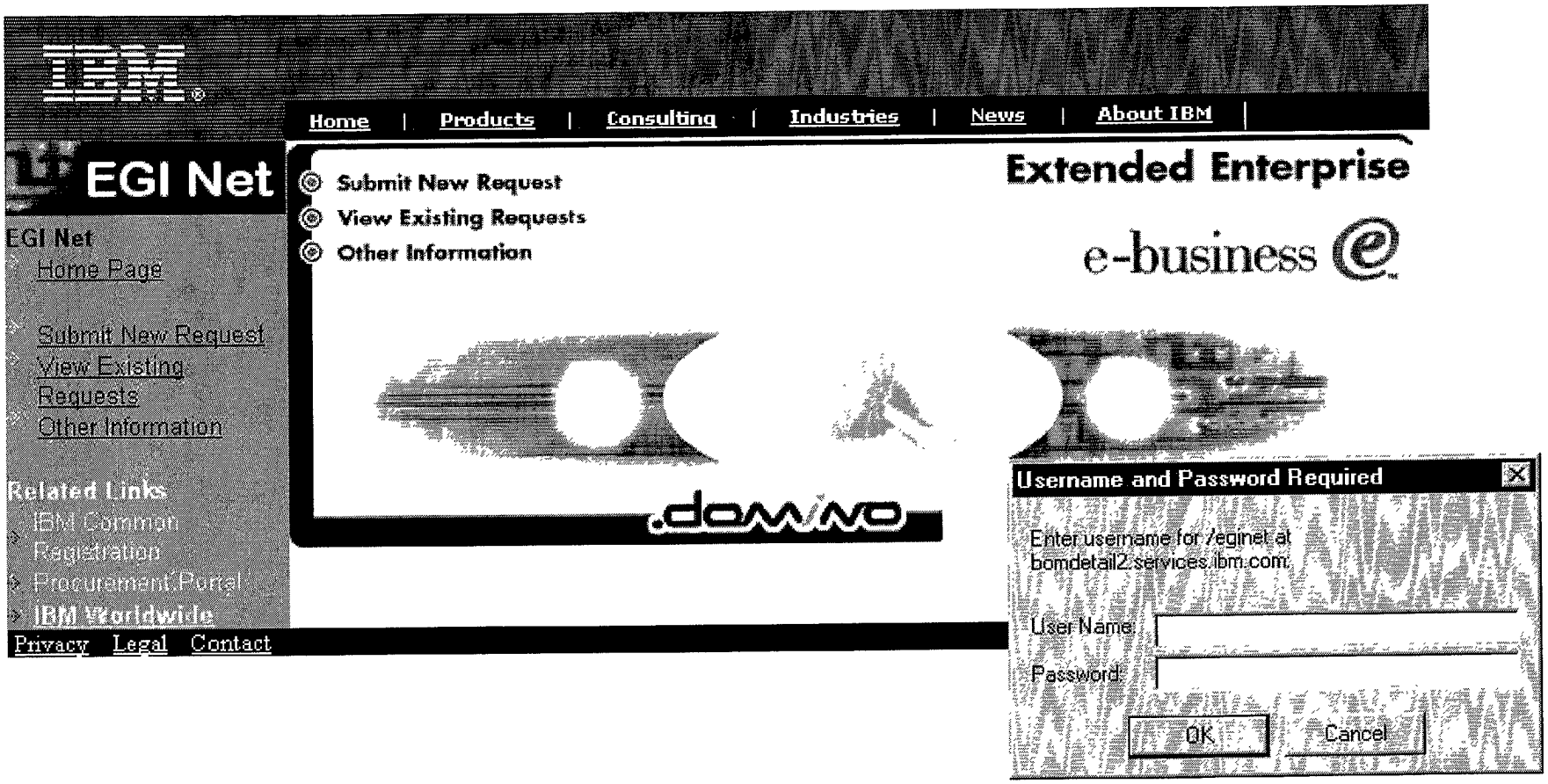


Figure 5a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Other Information
Extended Enterprise
e-business
EGI Net
Home Page
Submit New Request
View Existing Requests
Other Information
Related Links
IBM Common Registration
Procurement Portal
IBM Worldwide
Privacy Legal Contact
domino
Username and Password Required
Enter username for /eginet at bomdetail2.services.ibm.com:
User Name:
Password:
OK
Cancel

Figure 5b

User File Format Preferences:

2D Format:	3D Format:	Other Format:
☐ 2D CADAM Model	☐ 3D DXF - Wireframe Geometry	☐ Nothing
☐ 2D DXF - Drafting Data	☐ 3D IGES - Surface Geometry	
☑ 2D HPGL - Drafting Data	☑ 3D IGES - Wireframe Geometry	
☐ 2D HPGL - Schematic Data	☐ 3D Pro/E Part	
☐ 2D IGES - Drafting Data	☐ 3D STEP - Geometry Data	
☐ 2D PDF - Drafting Data	☐ CATIA Model (CATEXF)	
☑ 2D TIFF - Drafting Data	☐ IGES Data	
☐ 2D Viewport - Drafting Data		
☐ CATIA Model (CATEXP)		
☐ CorelDRAW Data		
☐ CorelDRAW PDF Data		
☐ DDLOGIC Data		
☐ DDPHYSI Data		
☐ ECNOTICE Text		
☐ Gerber Data		
☐ IGES Data		
☐ IMAGE Data (IBM IOCA)		
☐ Lotus WordPro Document		
☐ MIF Data		
☐ NCDRIL Data		
☐ PKZIP (Compressed) Data		
☐ PostScript Data		
☐ TDIBOM Data		
☐ TDITXT Data		
☐ WordPro PDF Data		

Figure 5c

Electronic Graphic Interchange Request

Request Number:

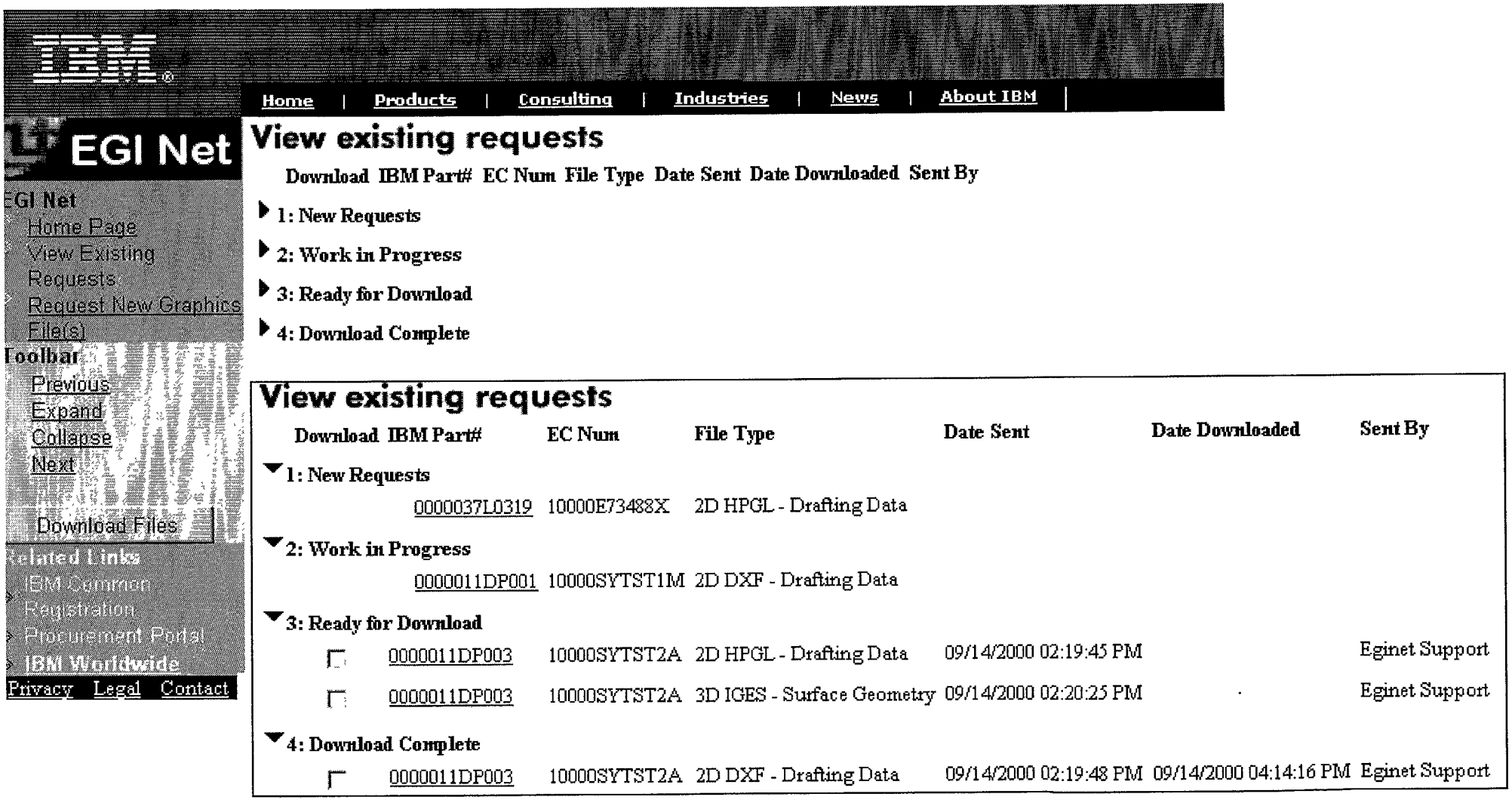
IBM Site: Amsterdam

Submitted By: **Matthew Rosenthal @ IBM**

IBM Contact Name:

IBM Part Number * *	Engineering Change #	Formats Available	Status	Release Date	Basic Name
0000037L0319	10000E73486X	☐ 2D PDF - Drafting Data ☐ 2D DXF - Drafting Data ☑ 2D HPGL - Drafting Data ☐ 2D IGES - Drafting Data ☐ 2D Viewport - Drafting Data ☐ 3D DXF - Wireframe Geometry ☑ 3D IGES - Wireframe Geometry ☐ 3D Pro/E Part ☐ 3D STEP - Geometry Data ☐ CATIA Model (CATEXP) ☐ 3D IGES - Surface Geometry ☐ Bill of Materials	RD	2000-06-15	BRACKET

Figure 5d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Home | Products | Consulting | Industries | News | About IBM
EGI Net
EGI Net
Home Page
View Existing Requests
Request New Graphics File(s)
Toolbar
Previous
Expand
Collapse
Next
Download Files
Related Links
IBM Common Registration
Procurement Portal
IBM Worldwide
Privacy Legal Contact
View existing requests
Download IBM Part# EC Num File Type Date Sent Date Downloaded Sent By
1: New Requests
2: Work in Progress
3: Ready for Download
4: Download Complete
View existing requests
Download IBM Part# EC Num File Type Date Sent Date Downloaded Sent By
1: New Requests
0000037L0319 10000E73488X 2D HPGL - Drafting Data
2: Work in Progress
0000011DP001 10000SYTST1M 2D DXF - Drafting Data
3: Ready for Download
0000011DP003 10000SYTST2A 2D HPGL - Drafting Data 09/14/2000 02:19:45 PM Eginet Support
0000011DP003 10000SYTST2A 3D IGES - Surface Geometry 09/14/2000 02:20:25 PM Eginet Support
4: Download Complete
0000011DP003 10000SYTST2A 2D DXF - Drafting Data 09/14/2000 02:19:48 PM 09/14/2000 04:14:16 PM Eginet Support

Figure 6

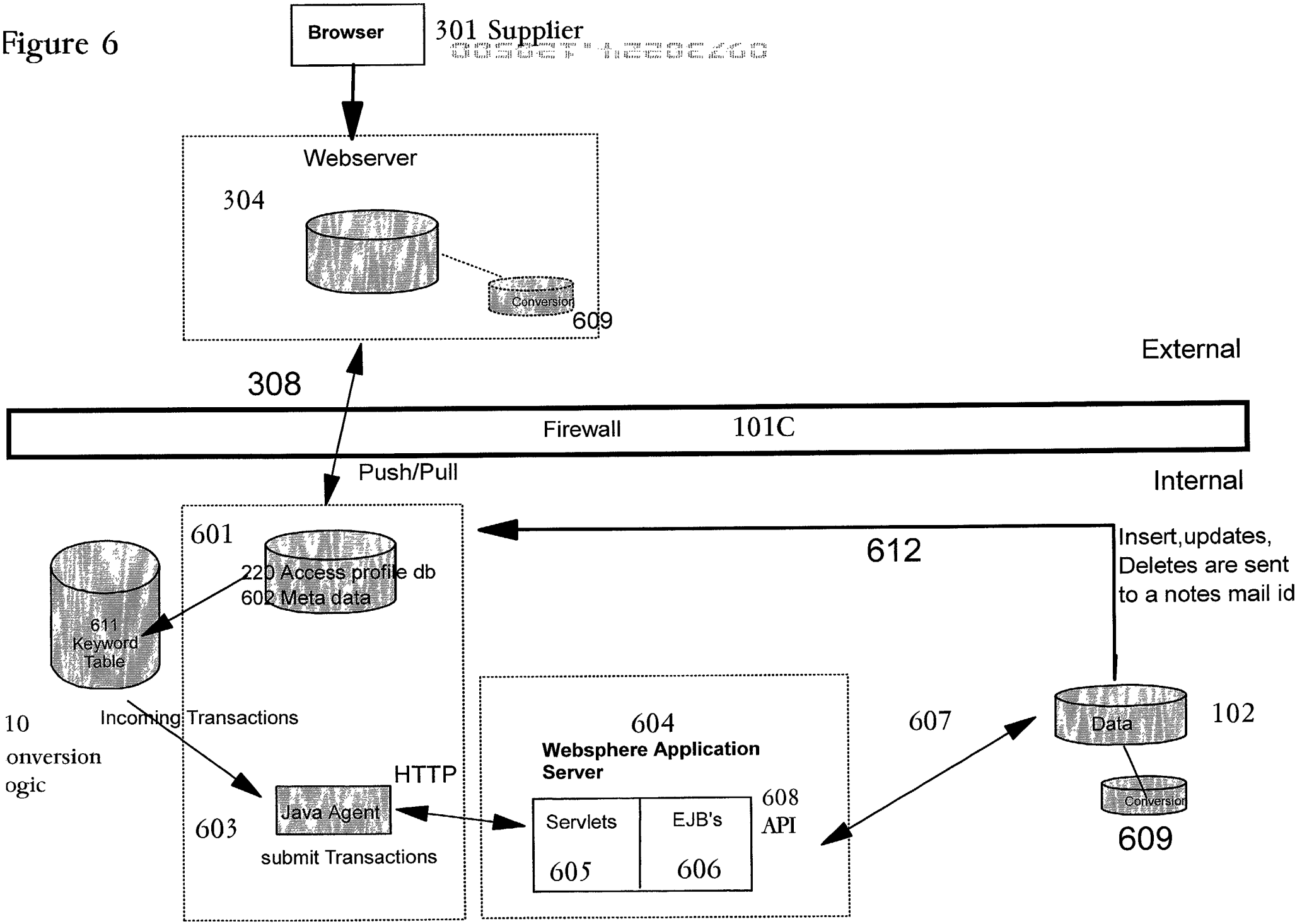

Browser
301 Supplier
Webserver
304
Conversion
609
External
308
Firewall
101C
Push/Pull
Internal
601
220 Access profile db
602 Meta data
611
Keyword
Table
612
Insert,updates,
Deletes are sent
to a notes mail id
10
onversion
ogic
Incoming Transactions
604
Websphere Application
Server
607
Data
102
HTTP
Java Agent
603
submit Transactions
Servlets
EJB's
605
606
608
API
Conversion
609

Figure 7

Conversion logic Process 700

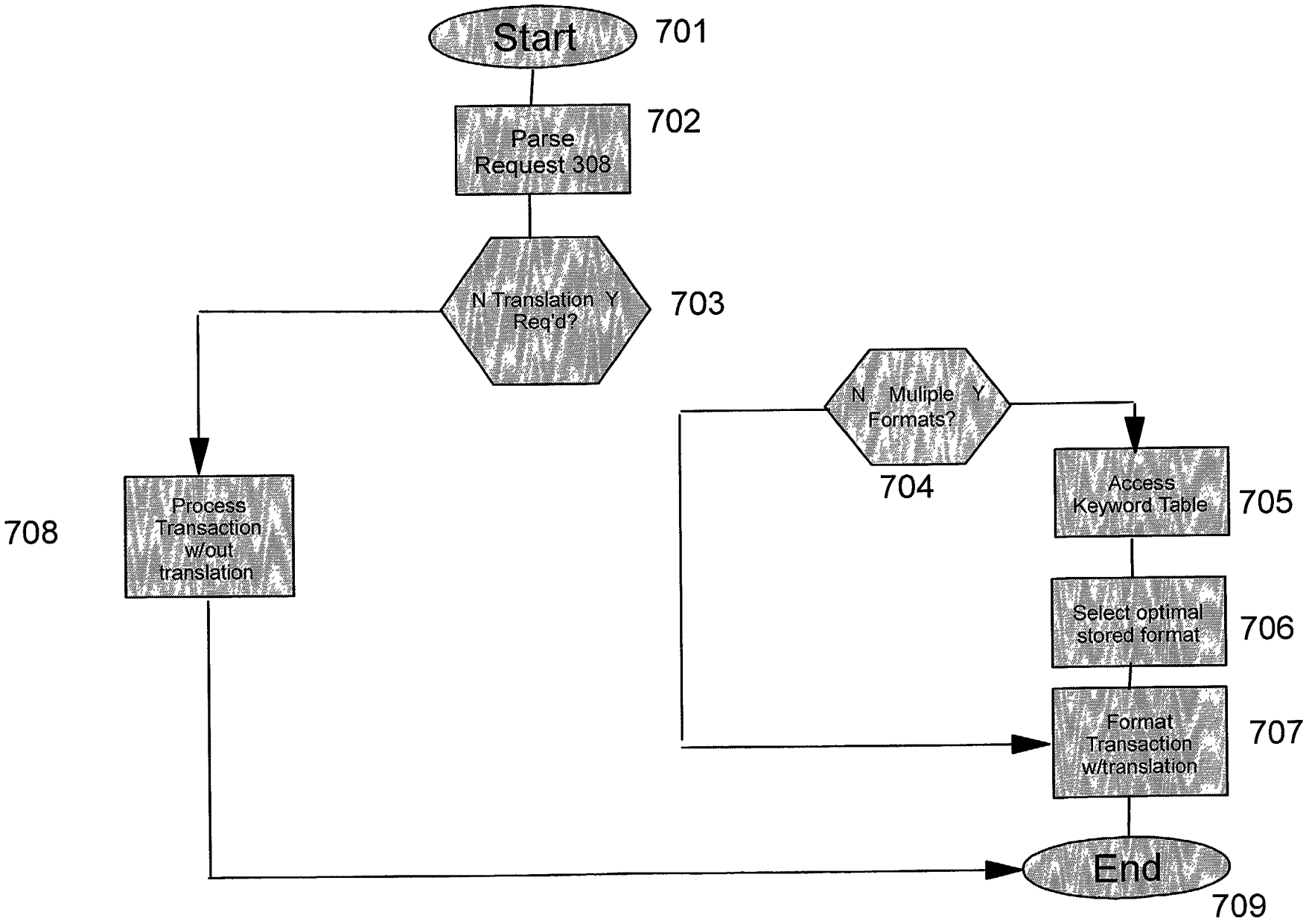
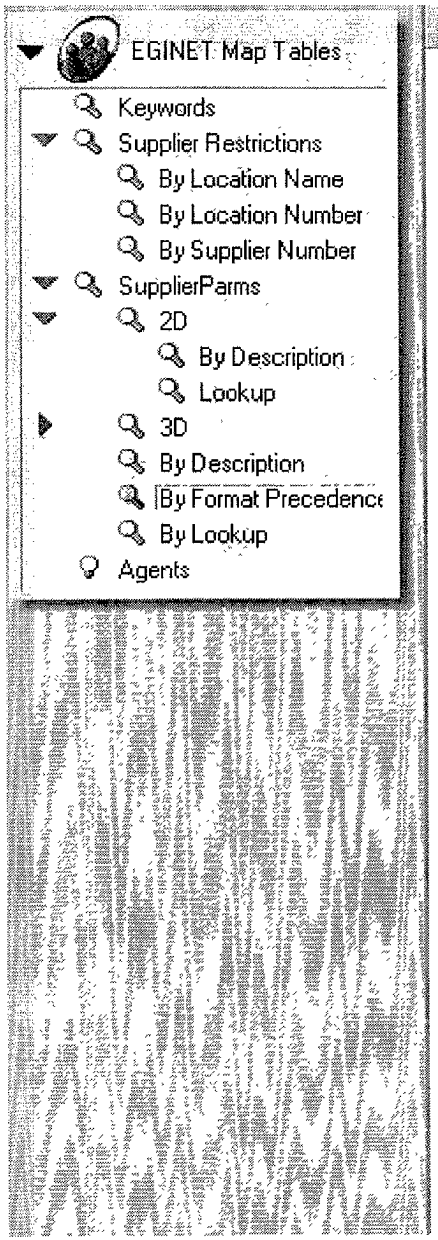


Figure 8

Keyword Table 800



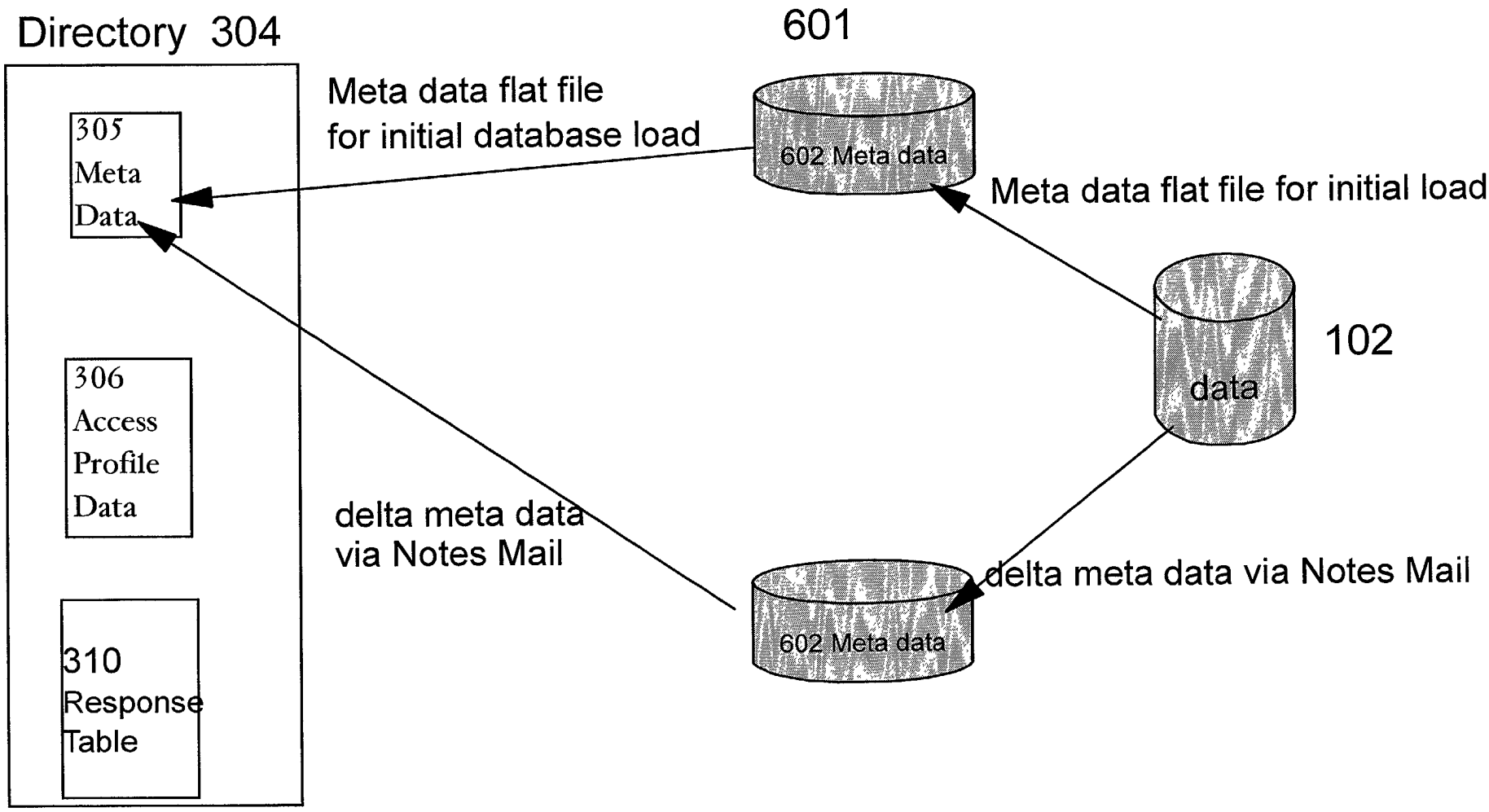
Descript	Precedence	DType	DForm	Format
2D CADAM Model				
2D DXF - Drafting Data				
2D HPGL - Drafting Data				
2D HPGL - Schematic Data				
2D IGES - Drafting Data				
2D PDF - Drafting Data				
2D TIFF - Drafting Data				
2D Viewport - Drafting Data				

801

802

Descript	Precedence	DType	DForm	Format
2D CADAM Model				
	1	CADAM	DRAW	2D Format File
2D DXF - Drafting Data				
	1	CATIA	DRAW	2D Format File
	2	CATIA	MODEL	2D Format File
	3	CATIA	SIMPL	2D Format File
2D HPGL - Drafting Data				
	1	HPGL	* (all dforms)	2D Format File
	2	CATIAPLT	HPGL	2D Format File
	3	CADAM	DRAW	2D Format File
	4	CATIA	DRAW	2D Format File
	5	CATIA	MODEL	2D Format File
2D HPGL - Schematic Data				
	1	HPGLSCH	* (all dforms)	2D Format File
2D IGES - Drafting Data				
	1	IGESE	DRAW	2D Format File
	2	CATIA	DRAW	2D Format File
	3	CATIA	MODEL	2D Format File
	4	CATIA	SIMPL	2D Format File

Figure 9


Directory 304
305
Meta
Data
306
Access
Profile
Data
310
Response
Table
601
Meta data flat file
for initial database load
602 Meta data
Meta data flat file for initial load
data
102
delta meta data
via Notes Mail
delta meta data via Notes Mail
602 Meta data